

**REMARKS**

Claims 1-9 have been examined. Applicant thanks the Examiner for the allowance of claims 8 and 9.

Claims 1-7 have been rejected under 35 USC 101 because the claimed invention is allegedly directed to non-statutory subject matter. It is the Examiner's position that the claims are directed to a method for calculating an exponentiation via a purely mathematical algorithm, and the claimed subject matter is not limited to a practical application of the mathematical algorithm in the technological arts. In response, Applicant has amended claim 1 to recite "A method ~~of~~ for encrypting including calculating a result ... in order to secure data transmission." During a telephone interview, the Examiner agreed that amending the claims in this manner overcomes this rejection. Thus, withdrawal of this rejection in light of the claim amendments is respectfully requested.

Claims 4 and 5 have been rejected under 35 USC 112, second paragraph, as being indefinite. In particular, the Examiner asserts that "the step of updating" lacks clear antecedent basis. Also, the last two lines of claims 4 and 5 should be "Y<sup>2</sup>" and "X<sup>2</sup>" rather than "X<sup>2</sup>" and "Y<sup>2</sup>", respectively. Applicant believes the amendments to the claims overcome this rejection.

Finally, in response to the Examiner's request, Applicant has labeled Fig. 3 as "Prior Art."

In view of the above, Applicant believes the pending application is in condition for allowance.

Dated: August 12, 2005

Respectfully submitted,

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